

EXECUTIVE SUMMARY

The Site Inspection (SI) for Operable Unit (OU) 9 North Area was conducted to evaluate whether environmental contamination is present at the facilities of potential concern identified in the *North Area Preliminary Assessment Report*, and to categorize each facility according to its potential threat to human health and the environment. The purpose of this report is to summarize the results of the site reconnaissance and field sampling effort, and to present final SI categories and recommendations for each facility of potential concern.

The OU 9 North Area consists of approximately 4,400 acres and occupies about two-thirds of Hill Air Force Base. The OU 9 North Area includes the former Ogden Ordnance Depot, the former Ogden Arsenal, the former Air Force Plant 77, portions of the original Hill Field, the Missile Assembly, Maintenance and Storage area, the current administration complex in the west-central portion of the Base, the main runway and flightline area north of the 388th Fighter Wing, and the area between the eastern Base boundary and the main runway.

During the site reconnaissance, members of the project team visited each facility, interviewed on-site personnel, and reviewed available investigative reports. Facilities that were judged to have little potential for contaminant release were subsequently categorized as requiring no further investigation or deferred investigation. The SI field effort included cone penetrometer testing and direct push soil borings for subsurface soil characterization, surface soil to assess immediate risk to workers, and Hydropunch ground-water sampling and piezometer installation for aquifer characterization.

The results of the SI indicate that there are three primary categories of facilities/areas that are recommended for further action. The following is a brief summary of the areas that will be investigated further at the OU 9 North Area.

Category 2A-Ground Water. The following areas and ground-water contaminants of concern are recommended for further investigation and analysis to better characterize contaminant distribution and ground-water flow characteristics:

- Zone 7, Golf Course Maintenance Area (VOCs)
- Zone 16, Munitions Storage Area (VOCs)
- Zones 11 and 12, Western Base Boundary (VOCs).

Ground water beneath these areas is recommended for further investigation because it contains chlorinated solvents above maximum contaminant levels. Because the shallow ground water beneath Hill AFB is not used for human consumptive purposes and there is no immediate risk to the employees and residents of the Base, no immediate action is necessary. Further investigation of these sites will be performed as part of a CERCLA remedial investigation.

Category 2A-Soil. The following three facilities, and contaminants of concern, are recommended for further investigation:

- Zone 9, Transformer Storage Yard (PCBs)
- Zone 24, Building 2402 (PCBs)
- Zone 24, Building 2403 (PCBs).

Soil beneath and/or adjacent to each of these facilities contains PCBs at concentrations above industrial risk-based action levels (RBALs). The most appropriate regulatory environment for the above sites is the Toxic Substances Control Act (TSCA). For the purposes of categorization under this SI, these sites are currently considered to be 2A. However, when TSCA clean up criteria have been met, a memorandum will be issued to reclassify these sites as Category 3, no further action.

To increase worker awareness and minimize the possibility of exposure the Hill AFB Bioenvironmental Engineering Unit (SGB) has been informed that exposure to contaminated soil in these areas may cause a risk, and that any work at these facilities should be coordinated with the Hill AFB OU 9 Project Manager. In addition, appropriate personal protection measures should be used when work is performed in the area.

Category 2B. This category includes those facilities where contaminant concentrations were below industrial RBALs, but were above residential RBALs, and vadose zone modeling indicate that it is unlikely that contaminants would reach ground water. These facilities are not recommended for further investigation as long as the site use remains industrial. If the site use changes and the facility area is developed for residential purposes, further investigation may be required. Each of the following facilities and their respective contaminants of concern, are recommended for Category 2B:

- Zone 15, Building 1503 (PCBs)
- Zone 15, OB/OD Area (explosives)
- Zone 15, Building 11420 (PCBs)
- Zone 22, Building 2214 (lead)
- Zone 24, Building 2401 (PCBs)
- Zone 24, Building 2405 (PCBs)
- Zone 24, Building 2406 (PCBs)
- Zone 24, Building 2407 (PCBs)
- Zone 24, Building 2408 (PCBs).

These facilities are located in industrial-type settings. The contaminant levels detected to-date do not pose an immediate threat to site workers who may visit for routine maintenance. However, the SGB has been contacted and informed that exposure to contaminated soil in these areas may cause a risk, and that any work at each facility be coordinated with the Hill AFB OU 9 Project Manager before initiation of the work.